

Ref. No. 08-898924ca

What is claimed is:

1. A database architecture for an air traffic information display system comprising:
 - a data manager including a first interface;
 - a first database server connected to the data manager via the first interface;
 - 5 a firewall connected to the first database server; and
 - a second database server connected to the first database server via the firewall and including a stored procedure for copying data from the first database.
- 10 2. A system as claimed in claim 1 wherein the first database server includes first tables for current data and second tables for logging changes to current data.
3. A system as claimed in claim 2 wherein the first tables include a flight data table.
4. A system as claimed in claim 2 wherein the first tables include an airport system table.
5. A system as claimed in claim 2 wherein the first tables include a system table.
- 15 6. A system as claimed in claim 2 wherein the second tables include a flight data table.
7. A system as claimed in claim 2 wherein the second tables include an airport system table.
8. A system as claimed in claim 2 wherein the second tables include a system table.
9. A system as claimed in claim 1 wherein the first interface is ODBC.
- 20 10. A system as claimed in claim 1 wherein the second database server includes third tables for receiving updates from the second tables.
11. A system as claimed in claim 10 wherein the second database server includes fourth tables for logging copies of the third tables.

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12. A system as claimed in claim 11 wherein the gateway database server includes fifth tables for storing movements.

13. A system as claimed in claim 12 wherein the second database server includes a module for calculating movements in dependence upon changes in the third tables.

5 14. A method of storing air traffic information comprising the steps of:

receiving a data update request;

changing the data in accordance with the request;

storing the changed data in a first database server; and

10 copying the changed data to a second database server separated from the first by a firewall.

15. A method as claimed in claim 14 wherein the step of storing includes storing the changed data in first tables.

16. A method as claimed in claim 14 wherein the step of storing includes storing a log of data change transactions in second tables.

15 17. A method as claimed in claim 15 wherein the first tables include a flight data table.

18. A method as claimed in claim 15 wherein the first tables include an airport system table.

19. A method as claimed in claim 15 wherein the first tables include a system table.

20. A method as claimed in claim 16 wherein the second tables include a flight data table.

20 21. A method as claimed in claim 16 wherein the second tables include an airport system table.

22. A method as claimed in claim 16 wherein the second tables include a system table.

23. A method as claimed in claim 14 wherein the step of copying includes storing updates from the second tables in third tables.

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24. A method as claimed in claim 14 wherein the step of copying includes logging copies of the third tables in fourth tables.

25. A method as claimed in claim 14 wherein the step of copying includes calculating movements in dependence upon changes in the third tables.

5 26. A method as claimed in claim 25 wherein the step of calculating includes storing movements in fifth tables.